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Application Number	10/074,782
Filing Date	February 13, 2002
First Named Inventor	DeChant
Group Art Unit	1651
Examiner Name	K. C. Srivastava
Attorney Docket No.	VAL6131P0511US

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
X		CHABANENKO, A.A., et al., Efficiency of Combined Preparation from Bacillus sphaericus and Bac. Thuringiensis H-14 Against Bloodsucking Mosquito Larvae, Group of Arthors, 1992, UDK 615-285.036, Moscow	
X		WIRTH, MARGARET C., et al., Cyt1A from Bacillus thuringiensis Synergizes Activity of Bacillus sphaericus against Aedes aegypti (Diptera: Culicidae), Applied and Environmental Microbiology, Mar. 2000, pp. 1093-1097; Vol. 66, No. 3. California	
X		TIANYONG, LI, et al., Coexpression of cyt1Aa of Bacillus thuringiensis subsp. Israeleensis with Bacillus sphaericus Binary Toxin Gene in Acryliferous Strain of B. Thuringiensis; Current Microbiology, 1000, pp. 322-326; Col. 40; New York	
X		WIRTH, MARGARET C., et al., Cyt1A from Bacillus thuringiensis Restores Toxicity of Bacillus sphaericus Against Resistant Culex quinquefasciatus (Diptera: Culicidae); J. Med. Entomol., 2000; pp. 401-407 Vol. 37(3); California	
X		PORTER, A.G., Mosquitocidal Toxins, Genes and Bacteria: The Hit Squad; Parasitology Today, 1996; p. 175-180; Vol. 12. No. 5, Republic of Singapore	
X		WIRTH, MARGARET C., et al., Cyt1Ab1 and Cyt2Ba1 from Bacillus thuringiensis subsp. Medellin and B. Thuringiensis subsp. Israeleensis Synergize Bacillus sphaericus against Aedes aegypti and Resistant Culex quinquefasciatus (Diptera: Culicidae); Applied and Environmental Microbiology, July 2001; pp. 3280-3284; Vol. 67, No. 7, France	
X		RAO, D.R., et al., Development of a High Level of Resistance to Bacillus Sphaericus in a Field Population of Culex Quinquefasciatus from Kochi India, Journal of the America Mosquito Association, 1995, 11(1):1-15; India	
X		NIELSEN-LEROUX, CHRISTINA, et al., Resistance to Bacillus sphaericus Involves Different Mechanisms in Culex pipiens (Diptera: Culicidae) Larvae; J. Med. Entomol.; 1997; pp. 321-327, Vol. 34(3); France	
X		CHARLES, C-F., et al., Bacillus Sphaericus Toxins: Molecular Biology and Mode of Action; Annual Review of Entomology, 1996, pp 451-472; Vol. 41, California	
X		BAR, E., et al., Cloning and Expression of Bacillus thuringiensis israelensis δ-Endotoxin DNA in B. Sphaericus; Journal of Invertbrate Pathology, pp. 149-158; Vol. 57, Israel	
X		YUAN, ZHIMING, et al., High-Level Field Resistance to Bacillus sphaericus C3-41 in Culex quinquefasciatus from Southern China, Biocontrol Science and Technology, 2000, pp. 41-49; Vol. 10, China	,
X		DAVIDSON, ELIZABETH W., et al., Comparative Field Trials of Bacillus sphaericus Strain 1593 and B. Thuringiensis var. israelensis Commercial Powder Formulations; J. Econ. Entomol., 1981, pp. 350-354; Vol. 74, America	
X		TRISRISOOK, MAYUREE, et al., Molecular Closing of the 130-Kilodalton Mosquitocidal δ-Endotoxin Gene of Bacillus thuringiensis subsp. Israeleensis in Bacillus sphaericus, Applied and Environmental Microbiology, June 1996; pp. 1710-1716; Vol. 56, No. 6; Thailand	

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Examiner K.C. SRIVASTAVA

JUL 23 2004 PATENT & TRADEMARK OFFICE	POOPATHI, S., et al., Evaluation of Synergistic Interaction Between Bacillus Sphaericus and Bacillus Thuriengensis Var. Israelenensis Against Culex Quiquefasciatus Resistant and Susceptible to B. Sphaericus 1593M; J. Ecobi 1999; pp. 289-298; Vol. 11(4) India	
	LEE, H. L., et al., Preliminary Field Evaluation of Indigenous (Malaysian) isolates and Commercial Preparation of Bacillus thuringiensis Serotype H-14 and Bacillus sphaericus serotype H5a5B against Anopheles Karwari; Tropical Biomedicine; 1990; pp. 49-57, Vol. 7; India	
	FEDERICI, BRIAN A. , et al., Cyt1Aa Protein of Bacillus thuringiensis Is Toxic to the Cottonwood Leaf Beetle, chrysomela scripta, and Suppresses High Levels of Resistance to Cry3Aa; Applied and Environmental Microbiology; Nov. 1998, pp. 4368-4371; Vol. 64, No. 11; America	
	WIRTH, M.C., et al., CytA enables CryIV Endotoxins of Bacillus thuringiensis to overcome high levels of CryIV resistance in the mosquito, Culex quiquefasciatus; Proc. Natl. Acad. Sci. USA, September 1997; pp. 10536-10540; Vol. 94; California	
	BAR, E., et al., Expression of Chromosomally Inserted Bacillus Thuringiensis Israelenensis Toxin Genes in Bacillus Sphaericus, Journal of Invertebrate Pathology, 1998; pp. 206-213; Vol. 72; Kenya	
	BAR, E., et al., The Introduction into Bacillus sphaericus of the Bacillus thuriensis subsp. Medellin cyt1Ab1 Gene Results in Higher Susceptibility of Resistant Mosquito Larva Populations to B. Sphaericus, Applied and Environmental Microbiology; October 1998; pp. 3910-3916; Vol. 64, No. 10, Columbia	
	SILVA-FILHA, MARIA-HELENA, et al., Low-Level Resistance to Bacillus sphaericus in a Field-Treated Population of Culex quiquefasciatus (Diptera; Culicidae); J. Econ. Entomol. 1995; pp. 525-530; Vol. 88(3); America	
	MULLA, MIR S., et al., Emergence of Resistance and Resistance Management in Field Populations of Tropical Culex Quinquefasciatus to The Microbial Control Agent Bacillus Sphaericus; Journal of the American Mosquito Control Association; 2003; pp. 39-46, Vol. 19(1), India	
Examiner Signature	K.C. Srivastava	Date Considered 11/16/2004

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